





W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
07.06.06	11	NO POWDER COAT. CHEM CONV. COAT ONLY. REF ATTACHED DS EMAIL				QP 07.06.06 per QSI 042	J 07-06-07	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes ○ No ○ DQA: 12 Date: 07/06/12  
 QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries







Date: Friday, 5/25/2007 8:36:41 AM  
User: Kim Johnston

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: ARM

Job Number: 32645

Part Number: D3560042

Job Number:



Seq. #: Machine Or Operation:

Description:

140 QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

07/06/12 (1)

Job Completion:



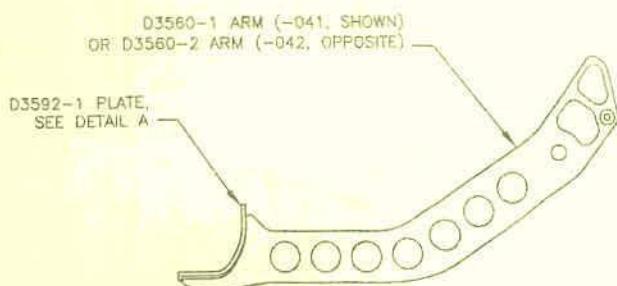
07.06.12 (1)

### POSITIVE RECALL

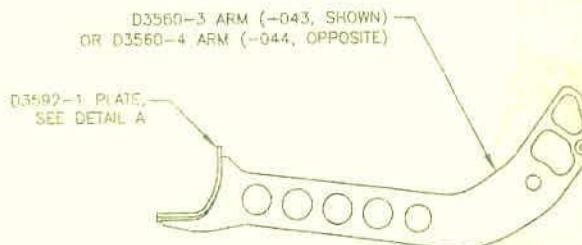
EFFECTIVE \_\_\_\_\_ AUTH \_\_\_\_\_

RELEASED u DATE 07.06.12

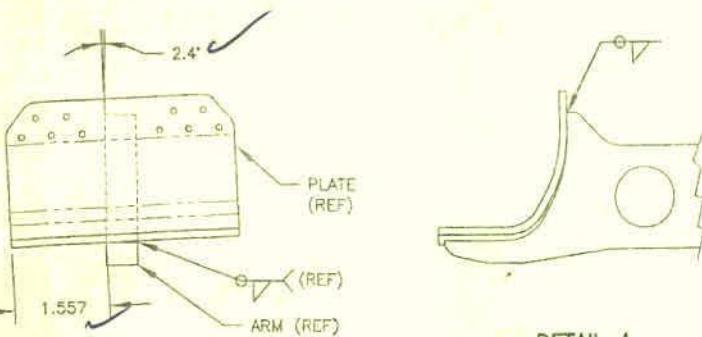




D3560-041 ARM WELDMENT (SHOWN),  
D3560-042 ARM WELDMENT (OPPOSITE)



D3560-043 ARM WELDMENT (SHOWN),  
D3560-044 ARM WELDMENT (OPPOSITE)



GENERAL NOTES

- 1) WELD PER QSI 004
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1  
POWDER COAT WHITE (4.3.5.1) PER DART QSI 004 4.3
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES

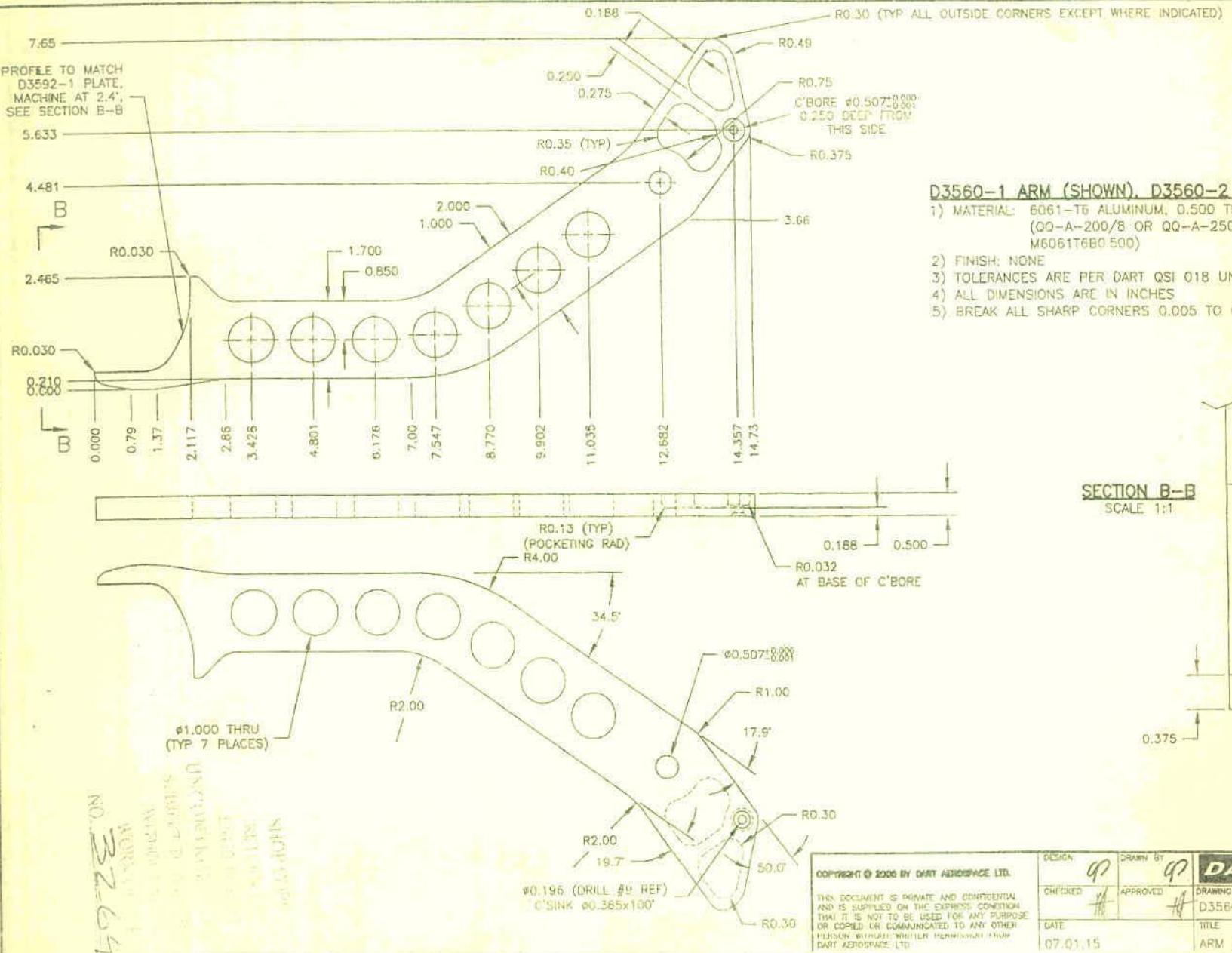
RELEASED

27.05.07

B	07.01.15	REDESIGN AS WELDMENT, ADD POCKETS
A	06.09.25	NEW ISSUE
DESIGN	97	DRAWN BY
CHECKED	4	APPROVED
DATE		07.01.15
TITLE		ARM WELDMENT
DRAWING NO.		D3560
SHEET 1 OF 3		SCALE
DART AEROSPACE LTD., HANDBURY, ONTARIO, CANADA		

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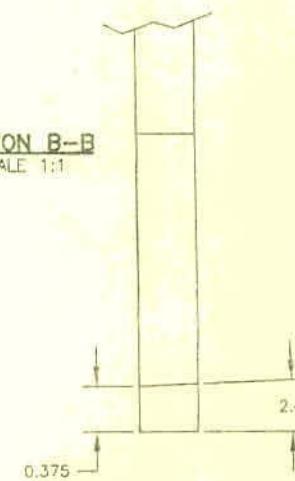


D3560-1 ARM (SHOWN), D3560-2 ARM (OPPOSITE)

- 1) MATERIAL: 6061-T6 ALUMINUM, 0.500 THICK  
(QQ-A-200/8 OR QQ-A-250/11, REF DART SPEC.  
M6061T6B0.500)
  - 2) FINISH: NONE
  - 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) ALL DIMENSIONS ARE IN INCHES
  - 5) BREAK ALL SHARP CORNERS 0.005 TO 0.015

SECTION B-I

SCALE 1:



RELEASED

02-05 o? ~~11~~

THE BOSTONIAN

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DESIGN	DRAWN BY	97	DART	DART AEROSPACE LTD. HAMILTON, ONTARIO, CANADA
CHECKED	APPROVED	97	DRAWING NO.	REV. B
			D3560	SHOT 2 OF 3
DATE	TITLE			SCALE
07.01.15	ARM WELDMENT			1:2







DART AEROSPACE LTD

Work Order:

326-157

Description: Crosstube Assembly

A12M

Part Number:

3560

Inspection Dwg: 3560

Rev: B

Page 1 of 1

## FIRST ARTICLE INSPECTION CHECKLIST

 First Article Prototype

Inspection Sheet Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
SIDE A	14.73	14.63	14.73	-		
	4.507	4.507	4.507	✓		
	1.35	1.35	1.35	✓		
	1.185	1.185	1.185	-		
	1.25	1.25	1.25	-		
	1.75	1.75	1.75	-		
	10.65	10.65	10.65	-		
	12.632	12.632	12.632	-		
	14.73	14.63	14.73	-		
	14.651	14.651	14.651	-		
	5.633	5.633	5.633	-		
	1.185	1.185	1.185	-		
	12.32	12.32	12.32	-		
	1.62	1.62	1.62	-		
	5.67	5.67	5.67	-		
	10.196	10.196	10.196	-		
	345.810	345.810	345.810	✓		
	41.00	41.00	41.00	-		
SIDE B	2.00	2.00	2.00	-		
	1.60	1.60	1.60	-		
	3.75	3.75	3.75	-		
	12.1324	12.1324	12.1324	-		
	8.75	8.75	8.75	-		
	1.60	1.60	1.60	-		
	1.60	1.60	1.60	-		
	1.60	1.60	1.60	-		
	1.60	1.60	1.60	-		
	1.60	1.60	1.60	-		

Measured by: 361Audited by: 21Prototype Approval: GL N/ADate: 07/06/01Date: 04/06/01Date: 07/06/01Rev Date Change  
A New IssueRevised by Approved  
KJ/JLM



## Chris Provencal

**From:** David Shepherd [dshepherd@dartaero.com]  
**Sent:** June 5, 2007 5:18 PM  
**To:** 'Chris Provencal'  
**Subject:** RE: D3562-041/-042

As we have discussed previously, this is acceptable as long as the Magnabond doesn't break down.

David

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**From:** Chris Provencal [mailto:cprovencal@dartaero.com]  
**Sent:** Tuesday, June 05, 2007 11:00 AM  
**To:** David Shepherd (David Shepherd)  
**Subject:** D3562-041/-042

David,

For the D3562-041/-042 step weldment, as discussed. They want to switch from Sikaflex to Magnabond, and powder coat after final assembly.

As part of this change, the D3560-XX arms won't be powder coated, and the D2808 Bushing won't be assembled until after final assembly of the step weldment.

Since this is the first time trying this, we will ensure that the steps are checked after powdercoating in case the Magnabond doesn't anything unexpected (eg. bubbling). If we see anything suspect, we will assemble them the old way.

Is this acceptable.

-Chris

No virus found in this incoming message.

Checked by AVG Free Edition.  
Version: 7.5.472 / Virus Database: 269.8.9/834 - Release Date: 6/5/2007 2:38 PM

No virus found in this outgoing message.

Checked by AVG Free Edition.  
Version: 7.5.472 / Virus Database: 269.8.9/834 - Release Date: 6/5/2007 2:38 PM

